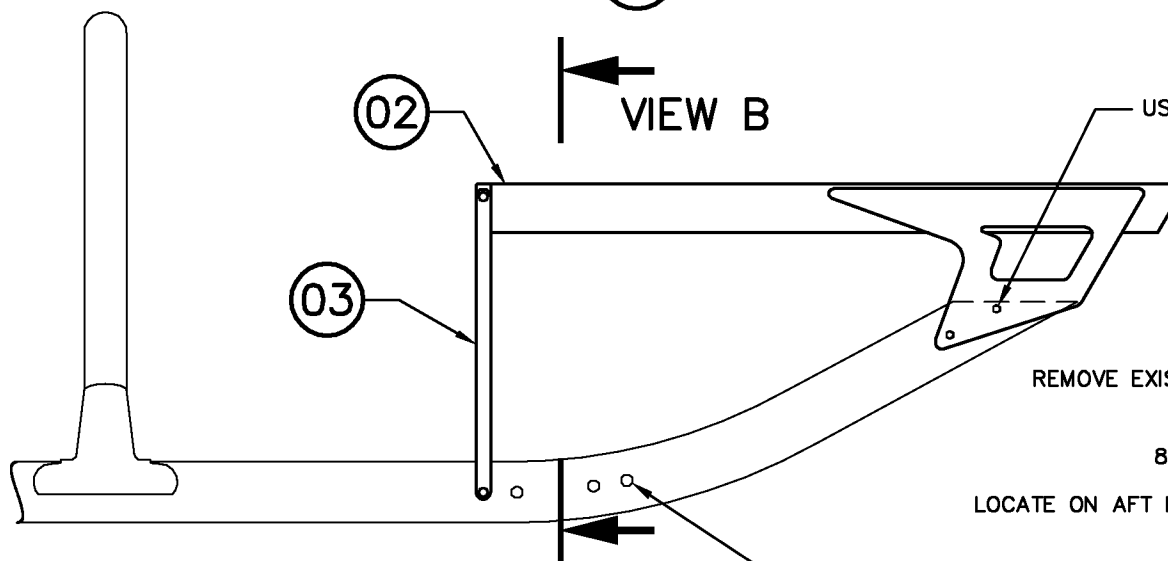


## 01 INSTALLATION



### DETAIL A

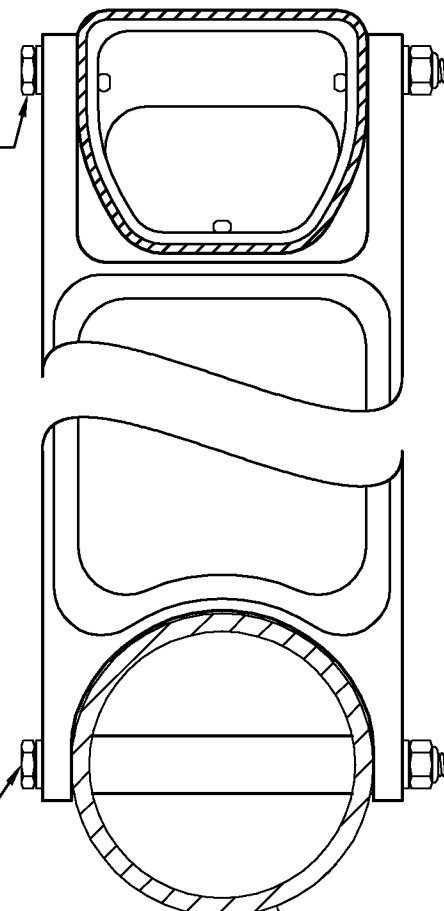
LOOKING INBOARD AT RIGHT SIDE, LEFT SIDE OPPOSITE

PROVISION FOR FLOAT INSTALLATION  
4 PLACES  
(REFERENCE)

USE ORIGINAL HARDWARE

REMOVE EXISTING BOLT, NUT AND PLUGS  
AN4-42A BOLT  
NAS1149F0463P WASHER (2)  
82733-02 BUSHING (ITEM 04)  
MS21044N4 NUT  
LOCATE ON AFT HOLE FOR FLOAT PROVISIONS

AN4-42A BOLT  
NAS1149F0463P WASHER (2)  
MS21044N4 NUT



### VIEW B

LOOKING AFT  
THROUGH STEP AND SKID TUBE

SKID TUBE  
(REF)

2	MS21044N4	NUT
4	NAS1149F0463P	WASHER
2	AN4-42A	BOLT
1	82733-02	04 BUSHING
1	82782-01	03 BRACKET
1	82770-10	02 STEP ASSEMBLY (SEE SHT. 2)
	82770-01	01 INSTALLATION
01	PART NO.	ITEM DESCRIPTION
QTY	LIST OF MATERIALS	

APPROVALS	DATE
DRAWN: JEFF CLARKE	13 JAN 2011
CHECKED: E. BURGOIN	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:

DECIMALS ANGLES  
X.XXX  $\pm 0.010$   $\pm 1/2^\circ$   
X.XX  $\pm 0.03$   
X.X  $\pm 0.1$

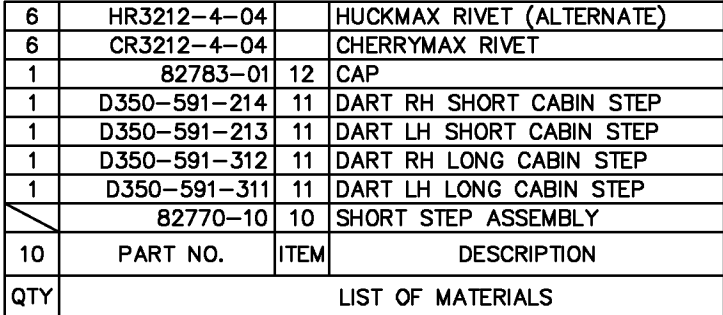


## AERO DESIGN LTD.


9888A MALASPINA ROAD  
POWELL RIVER, BC, CANADA, V8A 0G3  
TEL: 804.483.2376 [www.aerodesign.ca](http://www.aerodesign.ca)

EUROCOPTER AS350 & AS355 SERIES  
FIXED CABIN STEP – DART CONVERSION  
SHORT STEP INSTALLATION

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 3	A4	82770	1



SCALE 1 : 1  
LOOKING AT AFT END OF STEP

BASIC RIVET CODES SEE NAS 523		DASH NO. FOR DIAMETER N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE		APPROVALS		DATE		 <b>AERO DESIGN LTD.</b> 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376      www.aerodesign.ca	
C = COUNTERSUNK D = DIMPLE D# = NUMBER OF SHEETS TO BE DIMPLED		DASH NO. FOR LENGTH		DRAWN: JEFF CLARKE		13 JAN 2011			
				CHECKED: E. BURGOIN					
BASIC CODES: BJ=MS20470AD ✱ + ◡ INSTALL NEW RIVET BB=MS20426AD    ✱ + ◡ REMOVE AND REPLACE ARN=CR3213      - - - EXISTING RIVET ARM=CR3212 LZ NAS1097AD				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS                      ANGLES X.XXX ±0.010                      ±1/2° X.XX ±0.03 X.X ±0.1		EUROCOPTER AS350 & AS355 SERIES FIXED CABIN STEP – DART CONVERSION SHORT STEP INSTALLATION			
						NOT TO SCALE		DWG. SIZE <b>A4</b>	
				SHEET 2 OF 3		DWG. NO. <b>82770</b>		REV. <b>1</b>	

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; HARDWARE UPDATED; METRIC UNITS ADDED; NOTE 1	BJC	29/07/2014

#### NOTES


1. THIS DRAWING IS FOR THE MODIFICATION AND INSTALLATION OF DART CABIN STEPS TO BE COMPATIBLE WITH AERO DESIGN LTD. BASKETS. REMAINDER OF INSTALLATION AND MAINTENANCE REMAINS IN ACCORDANCE WITH DART DOCUMENTATION AND AERO DESIGN LTD. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA827.92.
2. THIS INSTALLATION IS COMPATIBLE WITH ALL AERO DESIGN LTD. QUICK RELEASE CARGO BASKET INSTALLATIONS IN ACCORDANCE WITH STC SH08-16.
3. THIS INSTALLATION MAY BE APPLIED TO THE RIGHT AND/OR LEFT SIDES. WEIGHT AND BALANCE IS GIVEN FOR RIGHT SIDE, LATERAL ARM IS NEGATIVE FOR LEFT SIDE.
4. SEAL ALL JOINTS USING PR1422B2 SEALANT OR EQUIVALENT. INSTALL RIVETS WET.
5. PAINT BRACKET (03) AND CAP (12) AS REQUIRED.
6. TORQUE AN4 BOLTS TO 50 – 70 INCH-POUNDS (5.6 – 7.9 N-m).

#### WEIGHT AND BALANCE – METRIC

ITEM	DESCRIPTION	WEIGHT (KG)	LONGITUDINAL		LATERAL	
			ARM (MM)	MOMENT (KG-MM)	ARM (MM)	MOMENT (KG-MM)
01	SHORT STEP INSTALLATION	2.3	1765	3994	1000	2262

#### WEIGHT AND BALANCE – STANDARD

ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL		LATERAL	
			ARM (IN)	MOMENT (LB-IN)	ARM (IN)	MOMENT (LB-IN)
01	SHORT STEP INSTALLATION	5.0	69.5	347.5	39.4	197.0

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	DRAWN: JEFF CLARKE		13 JAN 2011			9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2376      www.aerodesign.ca				
	CHECKED: E. BURGOIN									
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:					<b>EUROCOPTER AS350 &amp; AS355 SERIES          FIXED CABIN STEP – DART CONVERSION          SHORT STEP INSTALLATION</b>				
	DECIMALS      ANGLES X.XXX ±0.010      ±1/2" X.XX ±0.03 X.X ±0.1		NOT TO SCALE SHEET 3 OF 3		DWG. SIZE <b>A4</b>	DWG. NO. <b>82770</b>	REV. <b>1</b>			